

ABSTRACT OF THE DISCLOSURE

The present disclosure provides a device and method for exposing a substrate to ultraviolet radiation emitted from a discharge lamp having regions of varying intensity along its length. The discharge lamp includes, *inter alia*, an elongated vitreous tube, first and second electrode assemblies and a coating on the interior the interior of the tube. The elongated vitreous tube has an outer periphery and axially opposed first and second ends which define an axial length for the tube therebetween. The outer periphery has a plurality of regions defined along said axial length, wherein a first region extends over a predetermined first portion of said axial length and has a helical groove path defining a series of axially spaced apart grooves formed therein. The first region emits ultraviolet radiation having an intensity greater than that emitted from a second region of the outer periphery.

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